0.00

Memo

QC

Quality Control

|               |                        |          |          |                  |                             |              |                            |                        | DQA          | : Date:        | off.               |  |
|---------------|------------------------|----------|----------|------------------|-----------------------------|--------------|----------------------------|------------------------|--------------|----------------|--------------------|--|
| NCR: Ye       | es / No                |          |          |                  | WORK ORDER NON-             | CONF         | ORN                        | MANCE / UPDATE         |              |                |                    |  |
|               |                        |          |          |                  |                             |              |                            |                        | QA Closed    | : Date:        |                    |  |
| Work Orde     | <del>,</del> .         |          |          |                  | DISPOSITION                 |              | AGAINST DEPARTMENT/PROCESS |                        |              |                |                    |  |
| Work Orac     | ·                      |          |          | <del></del>      | Rework                      | 7 <b>i</b>   |                            | Skid-tube Crosstube    |              | Water Jet      | Engineering        |  |
| Part No       | 0                      |          |          |                  | Scrap                       | 1            |                            | Machining Small Fab    |              | od. Eng. Coor. | Quality            |  |
|               | *                      |          |          |                  | Use-as-is                   | ]   1        | herm                       | noforming Finishing    | Rec/Sto      | re/Packaging   | Other              |  |
| NCR N         | o                      |          |          |                  | Work Order Update           | ] [          | ļ                          | Large Fab Composite    |              | Supplier       | J L                |  |
| Doot          |                        | <u> </u> | T        | Doscr            | iption of work order update | Init         | tial (                     | Action                 | Sign &       | T              |                    |  |
| Root<br>Cause | Date                   | Step     | Qty      |                  | or Non-conformance          | Chief        | i i                        | Description            | Date         | Verification   | QC Inspector       |  |
| Ooc/Data      | Dute                   | Jiep     | αι,      |                  | or won comormance           | Cinci        | -118                       | Description            | Dute         | Vermeation     | QC IIISPECTOI      |  |
| quip/Tooling  |                        |          |          |                  |                             | İ            |                            |                        |              | •              |                    |  |
| perator       |                        |          |          |                  |                             |              |                            |                        |              |                |                    |  |
| //aterial     | - ·                    |          |          |                  |                             | i            |                            |                        |              |                |                    |  |
| etup          |                        |          |          |                  |                             |              |                            |                        |              |                |                    |  |
| Other         |                        | 1        |          |                  |                             | 1            |                            |                        |              |                |                    |  |
| rocess        |                        |          |          |                  |                             |              | ļ                          |                        |              |                |                    |  |
| Supplier 😘    |                        | ļ        |          |                  |                             |              |                            |                        |              |                | `                  |  |
| raining `     |                        |          |          |                  |                             |              | - 1                        |                        |              |                |                    |  |
| Inapproved    |                        | <u> </u> |          |                  |                             |              |                            |                        |              |                |                    |  |
|               |                        |          |          |                  |                             | AULT (       | CATE                       | GORY                   |              |                |                    |  |
| Landin        |                        |          |          | _                | General                     |              |                            |                        | <del></del>  | <del></del>    | ٦                  |  |
| -             | Bending                |          |          | . }_             | Bend                        | $\vdash$     | rain                       |                        | Ovalized     |                | Pressure/Forced    |  |
| -             | Centre N               | ot Conce | ntric to | o/s              | BOM/Route                   | <del></del>  | ardwar                     |                        | Over/Unde    | <del></del>    | Temperature/Cure   |  |
|               | Cracks                 |          |          |                  | Broken/Damaged              | -            |                            | on incomplete          | Part Incorre | ·              | Weld               |  |
| -             | Crushed/               | Crimped  |          | $\vdash$         | Burrs                       | -            |                            | ons Incomplete/Unclear | Part Lost/M  |                | Wrong Stock Pulled |  |
| -             | Cuffs                  |          |          | _                | Contamination               | $\mathbf{H}$ |                            | nance                  | Part Moved   |                |                    |  |
| -             | Heat Trea              |          | T la .   | <u> </u>         | Countersink                 | $\mathbf{H}$ | islabel                    |                        | Positioned   | _              | 704                |  |
| -             | Inspectio              | -        | lube     | -                | Cut Too Short Drill Holes   | $\mathbf{H}$ | isread<br>ffset            |                        | Power Loss   | /surge         | Other              |  |
| }             | Ripples ir<br>Torque V |          | Evtrucio | <u>,</u>         | Drawing                     |              |                            | alibration             | •            |                |                    |  |
| • }           | Turning S              |          |          | '' <del> -</del> | Finish                      | -            |                            | equence                |              |                |                    |  |
| ŀ             | <del></del>            |          |          |                  | Folio                       | <b></b>      |                            | •                      |              |                |                    |  |
|               | Wave/Twist in Tube     |          |          |                  | 1. 0.10                     | 1 10         | Outside Dimensions         |                        |              |                |                    |  |

| Work Orde                                   |                    | 95553                                   |                           | *105                     | 5553*                    |        |     |               |   | Sarramon na dadr to S |                  | Page 2         |
|---|--------------------|---|---------------------------|--------------------------|--------------------------|--------|-----|---------------|---|-----------------------|------------------|----------------|
| tem ID:                                     | D2055              |   |                           | Accept                   | *N900                    | 040    | 100 | *             | Setup   | Start                 | *N:              | S1*            |
| item Name:                                  | Clamp              |   |                           |                          |                          |        |     |               |   | Stop                  | *N:              | S2*            |
| Start Date:<br>Required Date:<br>Reference: | 8/08/13<br>8/08/13 | Start Qty: 10.00<br>Req'd Qty: 10.00    | *10*<br>*10*              |                          | Cust Item I<br>Customer: | D:     |     |               |   |                       |                  |                |
| Approvals:                                  | Process Pl         | an:                                     | Date:                     | Tooling: _               | Da                       | ate:   | -   |               | Run   | Start                 | *NI              | R1*            |
|   |                    |   | Date:                     | SPC (Y/N):               |                          | ate:   |     |               |   | Stop                  | *N               | R2*            |
| Sequence ID/<br>Work Center II              | <b>D</b> .         | Operation<br>Description                |                           | Set Up/<br>Run Hours     | Tool ID                  | Tool # |     | Accept<br>Qty | Rej<br>Qty                                    |                       | Reject<br>Number | Insp.<br>Stamp |
| *150<br>*150*<br>HandFinish                 |                    | Memo                                    |                           | 0.00                     |                          |        | _   | 10            | <del></del>                                   |                       | •                | MM 13.a        |
| Hand Finishing                              |                    |   | om makings with acid etch | and scotch brite befor s | ending to get            |        |     |               |   |                       |                  |                |
| 160   |                    | Outsource process-Anodi                 | ize per QSI017 4.1.10.1   | 0.00                     |                          |        |     |               | m (   | ,<br>, , , ,          | 2/               |                |
| *160*<br>Outsource4<br>Outsource process -  | - Anodize          | <b>Memo</b><br>ISSUE P/0: _<br>BLACK AN | 200/2<br>ODIZE            | 0.00                     |                          | ·. •   | -   | (             | ( <u>)                                   </u> | <u>156</u>            | P/21             | (VE)           |
| 170   |                    | Receive & Inspect for Da                | amage & Mat'l Certs       | 0.00                     |                          |        |     |               | Į!,   |                       | 4/30             | (10)           |
| *170*<br>Packaging                          |                    | Memo                                    |                           | 0.00                     |                          |        | _   |               | / "   | 13/                   | 1/33             |                |

Memo

Packaging

|               |          |               |          |        |                            |     |          |                 |           |  | DQA:          | Da           | ate:     |                    |   |
|---------------|----------|---------------|----------|--------|----------------------------|-----|----------|-----------------|-----------|--|---------------|--------------|----------|--------------------|---|
| NCR:          | Yes / No | ,             |          |        | WORK ORDER NON-C           | COI | NFORM    | MANCE / UF      | PDATE     |  | QA Closed:    |              | ate:     |                    |   |
|               |          |               |          |        | 1                          | -   | •        |                 |           |  | QA Closed.    | D.           | ate.     |                    | • |
| Work Orde     | ar.      |               |          |        | DISPOSITION                |     | l        |                 | AGAINST D | EF   | PARTMENT      | /PROCESS     |          |                    |   |
| WOIK OIG      |          |               |          |        | Rework                     | 1   |          | Skid-tube       | Crosstube | ٦  |               | Water Je     | ٦,       | Engineering        |   |
| Part N        | No.      |               |          |        | Scrap                      | 1   |          | Machining       | Small Fab | ┨  | Pro           | d. Eng. Coor | $\vdash$ | Quality            |   |
| ,             |          |               |          |        | Use-as-is                  | 1   |          | noforming       | Finishing | ٦  |               | re/Packaging |          | Other              |   |
| NCR N         | No.      |               |          |        | Work Order Update          | 1   | 6        | Large Fab       | Composite | ٦  | •             | Supplier     | _        |                    |   |
|               |          |               |          |        |                            | -   |          |                 |           | _  |               |              |          |                    |   |
| Root          |          |               |          | Descri | ption of work order update |     | Initial  | A               | ction     | Т  | Sign &        |              |          |                    |   |
| Cause         | Date     | Step          | Qty      | (      | or Non-conformance         | Ch  | nief Eng | Des             | cription  |  | Date          | Verification | on       | QC Inspector       |   |
| Doc/Data      |          |               |          |        |                            | 1   |          |                 |           |  |               |              |          |                    |   |
| Equip/Tooling | Ш        |               |          |        |                            |     |          |                 |           |  |               |              |          |                    |   |
| Operator      |          | 1             |          |        |                            |     |          |                 |           |  |               |              |          |                    |   |
| Material      |          |               |          |        |                            |     |          |                 |           |  |               |              |          |                    |   |
| Setup         |          |               |          |        |                            |     |          |                 |           |  |               |              |          |                    |   |
| Other         |          |               |          |        |                            |     |          |                 |           | -  |               |              |          |                    |   |
| Process       |          |               |          |        |                            |     |          |                 |           | ١  |               |              |          |                    |   |
| Supplier      |          |               |          |        |                            |     |          |                 |           | 1  |               |              |          |                    |   |
| Training      |          |               |          |        |                            | 1   |          |                 |           | ١  |               |              |          |                    |   |
| Unapproved    |          |               |          |        |                            |     |          | ·               |           | $oldsymbol{ol}}}}}}}}}}}}}}}}}}$ |               |              |          |                    | _ |
|               |          |               |          |        | F,                         | AUL | T CATE   | GORY            |           | _  |               |              |          |                    |   |
| Landi         | ng Gear  | •             | •        | _      | General                    | _   | ,        |                 |           | _  | ı             |              | _        | ·<br>•             |   |
|               | Bendir   | _             |          |        | Bend                       | L   | Grain    |                 | _         | -  | Ovalized      |              |          | Pressure/Forced    |   |
|               | Centre   | Not Conce     | ntric to | o/s    | BOM/Route                  |     | Hardwa   | re              | `         | ╛  | Over/Under    | tolerance    |          | Temperature/Cure   |   |
|               | Cracks   |               |          |        | Broken/Damaged             | L   | Inspecti | on Incomplete   |           | ╝  | Part Incorred | ct           |          | Weld               |   |
|               | Crushe   | d/Crimped     |          |        | Burrs                      |     | Instruct | ions Incomplete | /Unclear  | ╝  | Part Lost/Mi  | ssing        |          | Wrong Stock Pulled |   |
|               | Cuffs    |               |          |        | Contamination              |     | Mainte   | nance           |           | ╛  | Part Moved    |              |          |                    |   |
| ·             | Heat T   | reat          |          | L      | Countersink                |     | Mislabe  | led             |           | ╝  | Positioned W  | Vrong        | _        |                    |   |
|               | Inspec   | tion Strip ir | Tube     | 1      | Cut Too Short              | 1   | Misread  | 1               |           | - 1  | Power Loss/   | Surge        |          | Other              |   |

Offset

Out of Calibration

Out of Sequence

Outside Dimensions

Turning Sequence
Wave/Twist in Tube

Ripples in Bend

Torque Waves in Extrusion

Drill Holes

Drawing

Finish

Folio

| Work Order   |  |                      | *105  | 5553*                    |              |              |            |                |                    | Page 3      |
|--|--|----------------------|---|--------------------------|--------------|--------------|------------|----------------|--------------------|-------------|
| Item ID: Di<br>Revision ID:<br>Item Name: Cl   | 2055<br>amp  | *40*                 | Accept  | *N900                    |              | 100          | )* 5       | Setup Sta      | i VI               | S1*<br>S2*  |
| Start Date: 8/4 Required Date: 8/4 Reference:  | 08/13 Start Qty: 10.00<br>08/13 Req'd Qty: 10.00                             | *10*<br>*10*         |   | Cust Item I<br>Customer: | D:           |              |            | n 64           |                    |             |
|  | Process Plan:  |                      | _   |                          | ate:<br>ate: |              | 1          | Run Sta<br>Sto | " <b>[\]</b><br>on | R1*<br>R2*  |
| Sequence ID/ Work Center ID  175  *175* QC Quality Control  180  *180* Packaging Packaging | Operation Description QC6- Inspect dimension  Memo  Identify as per dwg & St | s to drawing         | Set Up/<br>Run Hours<br>0.00<br>27<br>0.00<br>3 9 | Tool ID                  | Tool#        | Plan<br>Code | Accept Qty | Qty            | Reject<br>Number   | Insp. Stamp |
| 190 *1 QA* QC Quality Control  | QC21- Final Inspection  Memo   | - Work Order Release | 0.00  |                          |              |              | /          | n LJ           | 13 09-             | 26<br>MF 9- |

|               |                   |           |             |              |        |                            |     |              |                   |   | DQA:          | Date:         |                    |
|---------------|-------------------|-----------|-------------|--------------|--------|----------------------------|-----|--------------|-------------------|---|---------------|---------------|--------------------|
| NCR: Y        | es ,              | / No      |             |              |        | WORK ORDER NON-O           | OI  | VFORM        | AANCE / UP        | DATE                                    | QA Closed:    | Date:         | •                  |
|               |                   |           |             |              | ***    |                            |     | 1            |                   |   | QA Closed.    | Date.         |                    |
| Work Orde     | ar.               |           |             |              |        | DISPOSITION                |     |              |                   | AGAINST DE                              | PARTMENT      | /PROCESS      |                    |
| WOIR OIG      | -' -              |           | <del></del> | <del>,</del> |        | Rework                     | 1   |              | Skid-tube         | Crosstube                               | l             | Water Jet     | Engineering        |
| Part N        | lo.               |           |             |              |        | Scrap                      | 1   |              | Machining         | Small Fab                               | Pro           | d. Eng. Coor. | Quality            |
|               | _                 |           | <del></del> |              |        | Use-as-is                  |     |              | noforming         | Finishing                               | 1             | re/Packaging  | Other              |
| NCR N         | No.               |           |             |              |        | Work Order Update          | 1   |              | Large Fab         | Composite                               |               | Supplier      |                    |
|               |                   |           |             |              |        |                            | •   |              |                   | · • • • • • • • • • • • • • • • • • • • |               | ***           | ·                  |
| Root          | 1                 |           |             |              | Descri | ption of work order update |     | Initial      | Act               | tion                                    | Sign &        |               |                    |
| Cause         |                   | Date      | Step        | Qty          | (      | or Non-conformance         | Ch  | ief Eng      | Desci             | ription                                 | Date          | Verification  | QC Inspector       |
| Doc/Data      |                   |           |             |              |        |                            |     |              |                   |   |               |               | ,                  |
| Equip/Tooling |                   |           |             |              |        |                            |     |              |                   |   |               |               |                    |
| Operator      | Ш                 |           |             |              |        |                            |     |              |                   |   |               |               |                    |
| Material      |                   |           |             |              |        |                            |     |              |                   |   |               |               |                    |
| Setup         | Ш                 |           |             |              |        |                            |     | The Contract |                   |   |               |               |                    |
| Other         | Ш                 |           | 1           |              |        |                            |     | 127          |                   |   |               |               |                    |
| Process       |                   |           |             |              |        |                            |     | - 43 ···     | ĺ                 |   |               |               | ,                  |
| Supplier      | Щ                 |           | ļ           |              |        |                            |     |              |                   |   |               |               |                    |
| Training      |                   |           |             |              |        |                            | 1   |              |                   | 4                                       |               |               |                    |
| Unapproved    |                   |           |             |              |        |                            |     |              |                   |   |               |               |                    |
| ,             |                   |           |             |              |        | F.                         | AUL | T CATE       | GORY              |   |               |               |                    |
| Landi         | ng Ge             | ear       |             |              | _      | General                    | _   |              |                   |   | •             |               | •                  |
|               |                   | Bending   |             |              |        | Bend                       |     | Grain        |                   |   | Ovalized      |               | Pressure/Forced    |
|               | $\square^{c}$     | Centre No | ot Concer   | ntric to (   | O/S    | BOM/Route                  | L   | Hardwa       | re                |   | Over/Under    | tolerance     | Temperature/Cure   |
|               | $\square^{\circ}$ | Cracks    |             |              | ļ      | Broken/Damaged             |     | Inspecti     | on Incomplete     |   | Part Incorred | ct            | Weld               |
|               | ⊢                 | Crushed/  | Crimped     |              |        | Burrs                      |     | Instruct     | ions Incomplete/l | Unclear                                 | Part Lost/Mi  | ssing         | Wrong Stock Pulled |
|               | Щ                 | Cuffs     |             |              | _      | Contamination              |     | Mainte       | nance             |   | Part Moved    |               |                    |
|               | Ш⁺                | leat Trea | it 🐰        |              |        | Countersink                |     | Mislabe      | led               |   | Positioned V  | Vrong         |                    |
|               |                   | nspectio  | n Strip in  | Tube         |        | Cut Too Short              |     | Misread      | i                 |   | Power Loss/   | Surge         | Other              |

Out of Calibration

Out of Sequence

Outside Dimensions

Offset

H:/FORMS/Quality Assurance\approved QA/NCRWO Rev G

Turning Sequence

Wave/Twist in Tube

Ripples in Bend

Torque Waves in Extrusion

Drill Holes

Drawing

Finish

Folio

August-08-13 8:58:38 AM

Work Order ID:

105553

Parent Item:

D2055

Parent Item Name:

Clamp

Start Date: 8/08/13

Required Date: 8/08/13

**Start Qty: 10.00** 

Required Qty: 10.00

Comments:

IPP C02.03.07Now turned in houseNG JLM VERIFIED BY:EC

IPP REV:D NOW ON DOOSAN 10-02-01

| Component Item ID/<br>Item Name  | Replacement Item ID | Mfg/<br>Purch | Bin<br>Item | Primary<br>Location | Last<br>Location | Route<br>Seq ID | Unit of<br>Measure | Qty on<br>Hand | Qty per Kit | Total<br>Qty | Qty<br>Issued | Date<br>Issued | Status |
|----------------------------------|---------------------|---------------|-------------|---------------------|------------------|-----------------|--------------------|----------------|-------------|--------------|---------------|----------------|--------|
| M6061T6R1.000<br>ROUND BAR 1.00" |                     | Purchased     | No          |                     |                  | 120             | f                  | 39.1570        | 0.1042      | 1.096842     | A.A           | 13)0           | 0 8    |
|                                  |                     |               |             | Location            |                  | Loc Qty         | Lo                 | c Code         |             |              |               | •              | ,      |
|                                  |                     |               |             | MAT012              |                  | 2.649           |                    |                |             |              |               |                |        |
|                                  |                     |               |             | 1210                |                  | 2.649           |                    |                |             |              |               |                |        |
|                                  |                     |               |             | MAT013              |                  | 36.508          |                    |                |             |              |               |                |        |
|                                  |                     |               |             | 1164                | 106              | 0.91            |                    |                | ******      |              |               |                |        |
|                                  |                     |               |             | 1182                | .71              | 11.4            |                    |                |             |              |               |                |        |
|                                  |                     |               |             | 1211                | 92               | 9.64            |                    |                |             |              |               |                |        |
|                                  |                     |               |             | 1225                | 521              | 8.855           |                    |                |             |              |               |                |        |
|                                  |                     |               |             | 1234                | 183              | 5.703           |                    |                |             |              |               |                |        |
|                                  |                     |               | 1.125       | 5 /12               | 697              |                 |                    |                | 14"         |              |               |                |        |

|                      |                                   |            |              |                    |                                       |         |                           |            |                            |  | DQA         | : Date:                  |                           |  |  |
|----------------------|-----------------------------------|------------|--------------|--------------------|---------------------------------------|---------|---------------------------|------------|----------------------------|--|-------------|--------------------------|---------------------------|--|--|
| NCR:                 | Yes                               | / No       |              |                    |                                       |         | WORK ORDER NON-C          | O          | VFOR                       | MANCE / UPDATE   | 0.4.01      |                          |                           |  |  |
|                      |                                   |            |              |                    |                                       | _       |                           |            |                            |  | QA Closed   | : Date:                  |                           |  |  |
| Vork Ord             | er:                               |            |              |                    |                                       |         | DISPOSITION               |            | AGAINST DEPARTMENT/PROCESS |  |             |                          |                           |  |  |
| Part I               | ٠<br>، No                         |            |              |                    |                                       |         | Rework Scrap Use-as-is T  |            |                            | Skid-tube Crosstube  Machining Small Fab noforming Finishing |             | Water Jet od. Eng. Coor. | Engineering Quality Other |  |  |
| NCR                  | No.                               |            |              |                    |                                       |         | · — ·                     |            |                            | Large Fab Composite  |             | Supplier                 |                           |  |  |
| Root                 |                                   |            |              |                    | Desc                                  | rip     | tion of work order update | ı          | nitial                     | Action   | Sign &      |                          |                           |  |  |
| Cause                |                                   | Date       | Step         | Qty                |                                       | •       | r Non-conformance         | Ch         | ief Eng                    | Description  | Date        | Verification             | QC Inspector              |  |  |
| oc/Data              | П                                 |            | ,            |                    |                                       |         |                           |            |                            |  |             |                          | ·                         |  |  |
| ui <b>p/</b> Tooling |                                   |            |              |                    |                                       |         |                           |            |                            |  |             |                          |                           |  |  |
| perator              | П                                 |            | :            |                    |                                       |         |                           |            |                            |  |             |                          |                           |  |  |
| aterial              | П                                 |            |              |                    |                                       |         |                           |            |                            |  |             |                          |                           |  |  |
| tup                  | Г                                 |            |              |                    |                                       |         |                           |            |                            |  |             |                          | State Comment             |  |  |
| her                  | Г                                 |            |              |                    |                                       |         |                           |            |                            |  |             | 1                        |                           |  |  |
| ocess                |                                   |            |              |                    |                                       |         |                           |            |                            |  |             |                          |                           |  |  |
| pplier               |                                   |            |              |                    |                                       |         |                           |            |                            |  |             |                          |                           |  |  |
| aining               | Г                                 |            |              |                    |                                       |         |                           |            |                            |  |             |                          |                           |  |  |
| napproved            |                                   |            |              |                    |                                       |         |                           |            |                            |  |             |                          |                           |  |  |
|                      | <u> </u>                          |            | <del>*</del> | . <u></u>          | · · · · · · · · · · · · · · · · · · · |         | F                         | AUL        | T CATE                     | GORY   | L           |                          |                           |  |  |
| Land                 | ing (                             | Gear       |              |                    |                                       |         | General                   |            |                            |  | ·           | <del>'</del>             |                           |  |  |
|                      |                                   | Bending    |              |                    | Γ                                     | $\neg$  | Bend                      |            | Grain                      | Γ  | Ovalized    |                          | Pressure/Forced           |  |  |
|                      |                                   | Centre No  | ot Concer    | ntric to           | o/s                                   | ᅵ       | BOM/Route                 |            | Hardwa                     | ire  | Over/Unde   | r tolerance              | Temperature/Cure          |  |  |
|                      |                                   | Cracks     |              |                    |                                       | ╗       | Broken/Damaged            |            | Inspecti                   | ion Incomplete   | Part Incorr | ect                      | Weld                      |  |  |
|                      |                                   | Crushed/0  | Crimped      |                    |                                       | $\neg$  | Burrs                     |            | 1                          | ions Incomplete/Unclear                                      | Part Lost/N | lissing                  | Wrong Stock Pulled        |  |  |
|                      | $\vdash$                          | Cuffs      | •            |                    |                                       | ┪       | Contamination             |            | Mainte                     | · · · · · · · · · · · · · · · · · · ·                        | Part Move   | ı                        | -                         |  |  |
|                      |                                   | Heat Trea  | it           |                    |                                       |         | Countersink               | Г          | Mislabe                    | eled   | Positioned  | Wrong                    |                           |  |  |
|                      | Inspection Strip in Tube          |            |              | Cut Too Short      |                                       | Misread | <u> </u>                  | Power Loss | /Surge                     | Other  |             |                          |                           |  |  |
|                      |                                   | Ripples in |              |                    |                                       |         | Drill Holes               |            | Offset                     | _  |             | <u> </u>                 |                           |  |  |
|                      | Torque Waves in Extrusion Drawing |            |              | Out of Calibration |                                       |         |                           |            |                            |  |             |                          |                           |  |  |
|                      | Turning Sequence                  |            |              |                    | Finish                                |         | Out of Sequence           |            |                            |  |             |                          |                           |  |  |

Outside Dimensions

Wave/Twist in Tube

Folio

| DART AEROSPACE LTD              | Work Order: 10 | 5223                                      |
|---------------------------------|----------------|---|
| Description: Clamp              | Part Number:   | )<br>2055                                 |
| 1/1                             |                | A-4-100-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1 |
| Inspection Dwg: D2055 Rev: 27 D | Pag            | ge 1 of 1                                 |

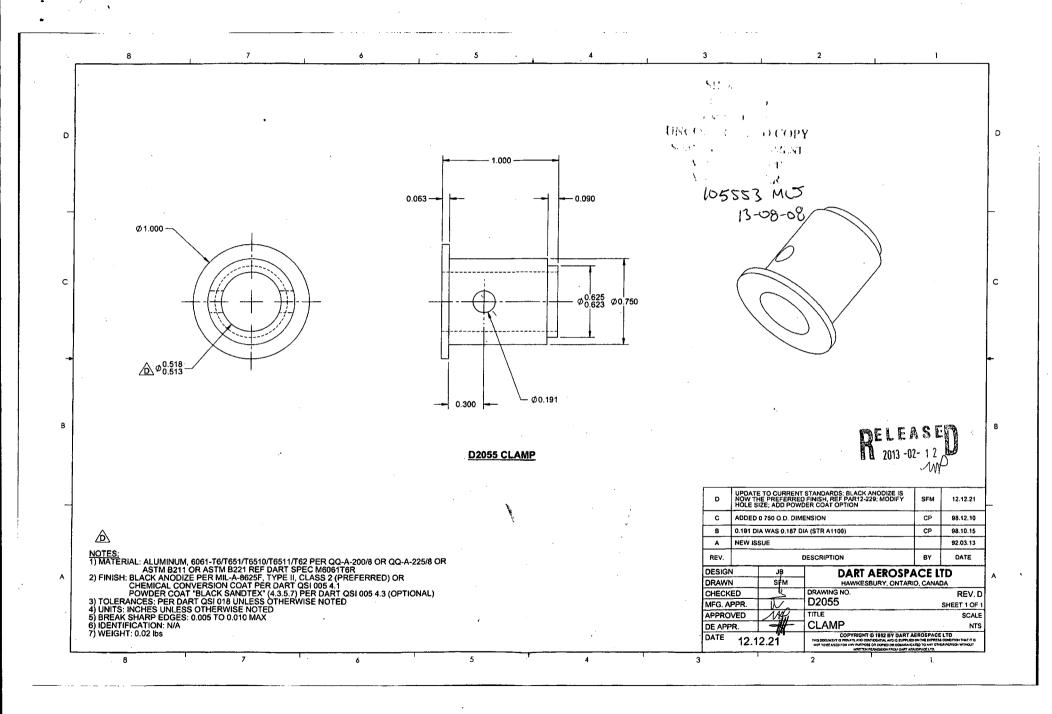
## FIRST ARTICLE INSPECTION CHECKLIST

| X | First Article | Prototype |
|---|---------------|-----------|
|---|---------------|-----------|

| , Drawing<br>Dimension | Tolerance     | Actual<br>Dimension | Accept   | Reject | Method of<br>Inspection | Comments |
|------------------------|---------------|---------------------|----------|--------|-------------------------|----------|
| 1.000                  | +/-0.010      | 0.996               | ~        |        | Vern                    | GA-01    |
| 1.000                  | +/-0.010      | 1.001               | <b>/</b> |        | 11                      | 11       |
| 0.063                  | +/-0.010      | 0.060               | ~        |        | Ħ                       | 11       |
| 0.090                  | +/-0.010      | 0.088               | /        |        | 0                       | 11       |
| 0.513 - 0.518          | N/A           | \$ 0.51 <b>5</b>    |          |        | 11                      | 11       |
| 0.623 - 0.625          | N/A           | \$ 0.624            | ✓        |        | Mic                     | GA-03    |
| 0.750                  | +/-0.010      | \$0.751             | <b>V</b> |        | li .                    | 11       |
| Ø0.191                 | +0.005/-0.001 | \$0.192             | /        |        | Vern                    | GA-01    |
| 0.300                  | +/-0.010      | 0.298               | ~        |        | 11                      | 11       |
|                        |               |                     |          |        |                         |          |
|                        |               |                     |          |        |                         |          |
|                        | •             |                     |          |        |                         |          |
|                        |               |                     |          |        |                         |          |
|                        |               |                     |          |        |                         |          |
|                        |               |                     |          |        |                         |          |
|                        |               |                     |          |        |                         |          |
|                        |               |                     |          |        |                         |          |
|                        |               |                     |          |        | *                       |          |
|                        |               |                     |          | ,      |                         |          |
| ·                      |               |                     |          |        |                         |          |
|                        |               |                     |          |        |                         |          |
|                        |               |                     |          |        |                         |          |
| _                      |               |                     | _        |        |                         |          |

|              |           |             | <u> </u>   |                     |     |
|--------------|-----------|-------------|------------|---------------------|-----|
| Measured by: |           | Audited by: | 40<br>8-89 | Prototype Approval: | N/A |
| Date: 13     | 08/10 3-5 | Date:       | 13/08/10   | Date:               | N/A |

| Rev | Date     | Change    | Revised  | þу               | Approved |
|-----|----------|-----------|----------|------------------|----------|
| Α   | 10.02.02 | New Issue | KJ °     |                  | 1/1/     |
|     |          |           | <u> </u> | <del>17</del> 7— |          |





A.T.G. Industries Inc. 731, rue Industrielle Rd. PLATING DEPARTMENT Rockland, On K4K 1T2 Canada

Ph: (613) 446-4544 Fax: (613) 446-4556

## Pack List

Number: 62587

Date: 27-Aug-13

To

DART AEROSPACE LTD 1270 ABERDEEN ST. HAWKESBURY, ON K6A 1K7 Canada

**Ship To** 

DART AEROSPACE LTD 1270 ABERDEEN ST. HAWKESBURY, ON K6A 1K7

Canada

Ph: 613-632-5200

Eav: 613 632 1195

| rii. 013-032-3 | Pax: 613-632-118  | o Ph         | : 613-632-5200 | Fax: 613-632-1185 |  |  |  |  |  |
|----------------|---|--------------|----------------|-------------------|--|--|--|--|--|
| Terms          |   | Ship Via     |                |                   |  |  |  |  |  |
| Ouantitu       | D   |              |                |                   |  |  |  |  |  |
| Quantity       | Description   |              |                |                   |  |  |  |  |  |
|                | Part: ASST  |              | Rev:           |                   |  |  |  |  |  |
| lo             |   |              |                |                   |  |  |  |  |  |
|                | 1 PC-D2000-947<br>10 PCS D2055  |              |                |                   |  |  |  |  |  |
|                | 8 PCS D4726-1   | ,            |                |                   |  |  |  |  |  |
|                | BLACK ANODIZE   |              |                |                   |  |  |  |  |  |
|                | MIL-A-8625 TYPE II CLASS 2  |              |                |                   |  |  |  |  |  |
|                | 10 PCS D3299-1  |              |                |                   |  |  |  |  |  |
|                | BLUE ANODIZE  |              |                |                   |  |  |  |  |  |
|                | MIL-A-8625 TYPE II CLASS 2  |              |                |                   |  |  |  |  |  |
|                | Job: 20130538   | PQ: 21012    | Line:          |                   |  |  |  |  |  |
|                | Certificate of C  | Conformance  |                |                   |  |  |  |  |  |
|                |   |              |                |                   |  |  |  |  |  |
|                | A.T.G. Industries certifies that all items in this shipment are in conformance with all requirements, specifications and drawings referenced in the purchase order. |              |                |                   |  |  |  |  |  |
|                |   |              |                |                   |  |  |  |  |  |
|                | ISO 9001 : 2008 R<br>ATG SALES-2010   | TERMS APPLY  | •              |                   |  |  |  |  |  |
|                | 27/5/2  | 161111107111 |                |                   |  |  |  |  |  |
|                | DATE 2 1/8/13   |              |                |                   |  |  |  |  |  |
| :<br>          | n   | 1            |                |                   |  |  |  |  |  |
|                | CERTIFIED SIGNATURE :   | <u> </u>     |                | •                 |  |  |  |  |  |
|                |   |              |                |                   |  |  |  |  |  |
|                | RECEIVER SIGNATURE :  |              |                |                   |  |  |  |  |  |
|                |   |              |                |                   |  |  |  |  |  |
|                |   |              |                |                   |  |  |  |  |  |
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|                | · ·   | **<br>****** |                |                   |  |  |  |  |  |